

## RZ Ecosystem Partner Solution

# L&T Pouch Inspection



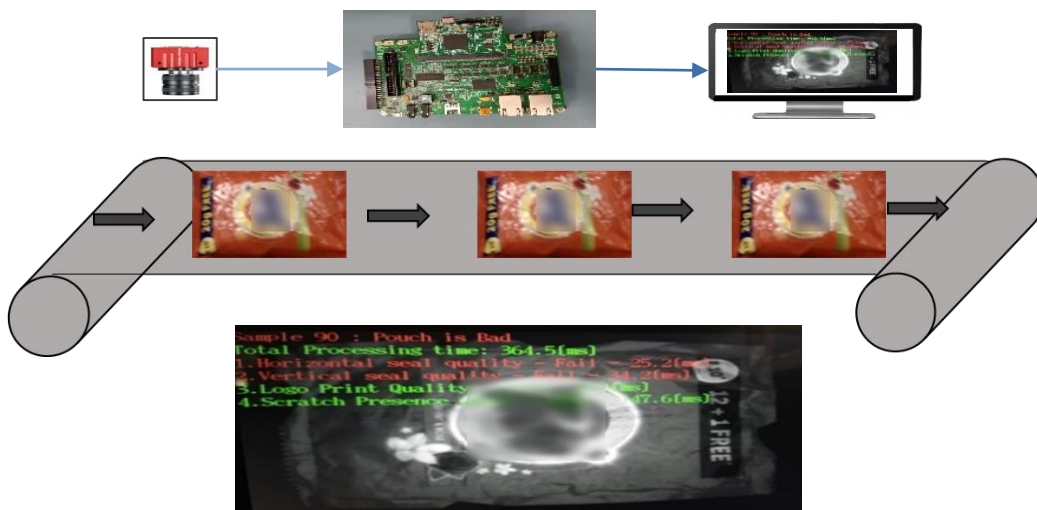
### Solution Summary

Pouch Inspection solution uses [RZ/A2M](#) equipped with Renesas RZ family's [DRP](#) that can dramatically accelerate image processing algorithms to create an ultra-low power, highly efficient, cost-effective solution compared to existing DSP or CPU in the market. The system is capable of identifying defects in the pouch such as seal quality, logo print quality, scratch and damage check and display the result as defected pouch or not in the HDMI display.

### Features/Benefits

- Machine vision-based end to end solution for identify the defects in the pouches in Consumer-Packaged Goods(CPG) industries.
- The solution provides continuous monitoring of package quality with accuracy of > 92 %
- Accurate detection horizontal and vertical seal quality in the pouches.
- Efficient Logo print quality, Scratch and damage check features
- Low-cost Controller - Edge Based solution
- High speed - able to process 100-120packets/min

### Diagrams/Graphics



### Target Markets and Applications

- AI Based Inspection System
- Material Quality Check
- Material Measurement Check

<https://www.lts.com/>

<b>Company Name</b>	<b>L&amp;T Technology Services</b>
<b>Headquarters Address</b>	L&T Knowledge City, Special Economic Zone (IT/ITES), West Block – II, NH No. 8, Village Ankhol, Vadodara, Gujarat 390019 India
<b>Founded</b>	14 June 2012
<b>Parent Organization</b>	Larsen & Toubro
<b>CEO</b>	Amit Chadda (1 Apr 2021–)
<b>Number of Employees</b>	16,000+ employees spread across 17 global design centers as of December 31, 2020.
<b>Business Description</b>	Engineering and R&D (ER&D) services company offering consultancy, design, development and testing services across the product and process development life cycle.
<b>Market Cap</b>	Rs 26,773 crore
<b>Net Sales</b>	Rs 5,619 crore (FY20)
<b>Subsidiaries</b>	8 Companies

### Subsidiaries

• Graphene Semiconductor Services Pvt. Ltd.	• L&T Technology Services Limited, Australia branch
• L&T Technology Services (Shanghai) Co. Ltd	• Orchestra Technology, Inc.
• L&T Technology Services LLC	• Esencia Technologies, Inc.
• L&T Thales Technology Services Private Limited	• Graphene Solutions Taiwan Limited